

ASBESTOS AIR SAMPLING

COMPLETED FOR THE  
GENERAL SERVICES ADMINISTRATION

**Survey Location:**

Chet Holifield Federal Building  
General Services Administration  
24000 Avila Road  
Laguna Niguel, California 92677

**Survey Dates:**

August 8, 2017 & August 9, 2017

**Report Date:**

September 18, 2017

**Prepared By:**

United States Public Health Service  
Federal Occupational Health



## **A. EXECUTIVE SUMMARY**

On August 8, 2017 and August 9, 2017, the Federal Occupational Health (FOH) inspection team conducted asbestos air sampling throughout the Chet Holifield Federal Building. Air sampling was conducted to verify that airborne fiber levels were at appropriate levels. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and in occupied office spaces throughout the building. A total of sixty-nine (69) air samples, four lab blanks and four field blanks were collected by Federal Occupational Health and submitted for analysis using Transmission Electron Microscopy (TEM).

There are no current EPA regulations for general area air sampling and no regulatory action levels for direct comparison of airborne asbestos levels; however, the US Environmental Protection Agency (EPA) has regulations for area air sampling within containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations.

Laboratory analysis indicated fiber levels for all samples to be less than 15 structures per millimeter squared ( $< 15 \text{ s/mm}^2$ ). In structures per cubic centimeter (s/cc) the results ranged from  $<0.0037$  to  $<0.0048$  s/cc of air.

For TEM AHERA samples, EPA uses the clearance level of  $70 \text{ s/mm}^2$  after an asbestos removal has been completed. This is the level at which EPA considers the space appropriate to return to general occupancy. Analytical results of all air samples indicate that asbestos concentrations were below the EPA clearance level of  $70 \text{ s/mm}^2$ . The Memorandum of Agreement (MOA) between the General Services Administration (GSA) and the US Citizenship and Immigration Services (USCIS) dated February 15, 2017 states that results less than  $0.005 \text{ s/cc}$  are considered acceptable. All results from the air sampling were less than  $0.005 \text{ s/cc}$  of air.

## **B. INTRODUCTION**

On August 8, 2017 and August 9, 2017, U.S. Public Health Service, Federal Occupational Health, inspection team members, Michael Pinkerton, Joshua White and Matthew Rodriguez conducted asbestos air sampling at the Chet Holifield Federal Building located at 24000 Avila Road, in Laguna Niguel, California, 92677. Air samples were collected in common areas, mechanical air handler rooms, storage rooms, file rooms and office spaces occupied by government agencies within the above referenced structure. A total of sixty-nine (68) air samples, with four lab blanks and four field blanks were collected and analyzed for asbestos fibers using transmission electron microscopy (TEM) by AMA Analytical Laboratory in Lanham, Maryland.

The Chet Holifield Federal Building is a United States Government Building managed by the General Service Administration and is occupied by government agencies. The 7-story pyramidal form building was constructed between 1967 and 1971 and is approximately 1,000,000 square foot in size. It is constructed of angled, painted, pre-cast concrete panels with reticulation, a textured finish that displays curvilinear forms and recessed anodized aluminum windows. The building has a concrete frame and the lateral force-resisting system consists of concrete shear walls and single-level concrete moment frames. This office space has carpeted and tiled floors, painted-sheetrock walls, drop ceilings, and the supply air is ducted while the return air is transported via the plenum area above the ceiling.

Before the survey, an opening conference was held with GSA Senior Property Manager Sherry Hutchinson and Building Manager Samantha Shintaku, to discuss the procedures and the locations of the air sampling.

## **C. METHODS**

Air sampling was conducted by drawing a known volume of air through a filter using flow-controlled pumps that were each pre and post calibrated. Calibration was made by using a Bios Defender 520 Primary Flow Calibrator, with a representative sampler in line. The filter media used was 0.45-micron pore-size mixed cellulose ester filter with backup pad. Each sample was collected open-faced in a 25-millimeter non-conducting cassette. Each sample was collected at breathing zone height. The samples were collected for approximately 2 hours and a sufficient volume of air was collected to meet the required limit of quantification for TEM analysis as well as meet the optimum fiber loading on the filter. FOH collected the samples for approximately 2 hours. Air samples were collected from common areas, mechanical air handle rooms, storages, file rooms and in occupied office spaces. A total of sixty-nine (69) air samples, four lab blanks and four field blanks were collected and analyzed for asbestos fiber concentrations using AHERA TEM.. All samples were analyzed by AMA Analytical Laboratory in Lanham, MD, an American Industrial Hygiene Association (AIHA) accredited laboratory.

## **D. RESULTS**

Laboratory analysis indicated fiber levels for all samples to be less than ( $<$ ) 15 s/mm<sup>2</sup>. In structures per cubic centimeter (s/cc) the results ranged from  $<0.0037$  to  $<0.0048$  s/cc of air. Complete laboratory results and sample location plans can be found in Section F-Supporting Documents of this report.

## **E. DISCUSSION AND RECOMMENDATIONS**

There are currently no regulations for general area air sampling for asbestos and no regulatory action levels by which results may be directly compared. The US Occupational Safety and Health Administration (OSHA) has regulations for worker exposure which entails sample collection by placing the sampling device in the employee's breathing zone. However, this was not the case and therefore FOH will not compare the area sampling results to the OSHA PEL of 0.01 fibers per cubic centimeter. The US EPA has regulations for area air sampling within containment after an asbestos abatement has been completed. When performing general area asbestos air sampling, FOH compares results to the EPA regulations. There are some differences in the method of collection since FOH did not collect the samples in containment but the clearance level is the same.

For TEM samples, EPA uses the clearance level of 70 s/mm<sup>2</sup> after an asbestos removal has been completed. This is the level at which EPA considers the space appropriate to return to general occupancy. All of the samples collected by FOH have levels less than 70 s/mm<sup>2</sup>.

The MOA between GSA and USCIS states that results less than 0.005 s/cc are considered acceptable. All results were below less than 0.005 s/cc of air.

FOH recommends that any work that is done above the ceiling, in the plenum area, is completed after hours while utilizing a negative pressure mini-containment. This will limit the disturbance of the dust on the top of the ceiling tiles.

## **F. SUPPORTING DOCUMENTS**

The following supporting documents are attached to the report:

Laboratory Report/Chain of Custody for initial sampling (18 pages)



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 601758  
**Client:** FOH Boston Area Office/George Bearer  
**Address:** JFK Building - Room E-110  
Government Center  
Boston, MA 02203  
**Attention:** Michael Pinkerton

**Job Name:** Chet Holifield  
**Job Location:** 24000 Avila Road  
**Job Number:** 9835005913  
**P.O. Number:** Not Provided

**Date Submitted:** 08/22/2017  
**Date Analyzed:** 08/27/2017  
**Report Date:** 08/28/2017  
**Date Sampled:** 08/08/2017 - 08/09/2017  
**Person Submitting:** Michael Pinkerton

## Summary of Transmission Electron Microscopy

**Filter Type:** MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm <sup>2</sup> )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm <sup>2</sup>	s/cc		
601758-1	080817-4-60-MP	1268.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601758-2	080817-6-66-MP	1242.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-3	080817-3-46-MP	1264.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601758-4	080817-3-50-MP	1252.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601758-5	080817-2-34-MP	1229.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-6	080817-2-35-MP	1252.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601758-7	080817-2-36-MP	1222.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-8	080817-2-37-MP	1217.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601758-9	080817-2-38-MP	1221.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-10	080817-2-39-MP	1208.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601758-11	080917-3-58-MP	1211.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601758-12	080917-3-54-MP	1243.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-13	080917-3-53-MP	1228.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-14	080917-3-49-MP	1239.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-15	080917-3-48-MP	1219.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-16	080917-3-47-MP	1215.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601758-17	080917-1-11-MP	1202.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601758-18	080917-4-63-MP	1203.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601758-19	080917-1-12-MP	1209.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601758-20	080917-7-69-MP	1237.0	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601758-21	080917-7-68-MP	1202.0	0.0665	0.0048	0		0	<15	<0.0048	N/P	



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**Address:** JFK Building - Room E-110  
Government Center  
Boston, MA 02203  
**Attention:** Michael Pinkerton

**Job Name:** Chet Holifield  
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**Job Number:** 9835005913  
**P.O. Number:** Not Provided

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AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm	s/cc		
601758-23	080817-Blank1	--	0.0	--	--	--	--	--	--	BLK	Not Analyzed
601758-24	080817-Blank2	--	0.0	--	--	--	--	--	--	BLK	Not Analyzed
601758-25	080917-Blank1	--	0.0	--	--	--	--	--	--	BLK	Not Analyzed
601758-26	080917-Blank2	--	0.0	--	--	--	--	--	--	BLK	Not Analyzed

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

**Analyst(s):** Michael Creaghan

**Technical Director** Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.





Focused on Results www.amalab.com  
 AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)  
 4475 Forbes Blvd. • Lanham, MD 20706  
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

# CHAIN OF CUSTODY

(Please Refer To This  
 Number For Inquires)

6001750

## Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #:

## Submittal Information:

- Job Name: Chet Holifield
- Job Location: 24000 Avila Road
- Job #: 9835005913 P.O. #:
- Contact Person: Michael Pinkerton @ phone # 310-382-4482
- Submitted by: Michael Pinkerton Signature: [Signature]

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

<b>AFTER HOURS (must be pre-scheduled)</b> <input type="checkbox"/> Immediate Date Due: _____ <input type="checkbox"/> 24 Hours Time Due: _____ Comments: _____		<b>NORMAL BUSINESS HOURS</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Results Required By Noon <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + 8/29/17 <input type="checkbox"/> 2 Day Date Due: _____		<b>REPORT TO:</b> MICHAEL - PINKERTON <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: YOUR-EMAIL@efiglobal.com <input type="checkbox"/> Fax: also email LYNDIA_MCDERMOTT@EFIGLOBAL.COM <input type="checkbox"/> Verbals: _____
--	--	--	--	---

## Asbestos Analysis

- \*PCM Air - Please Indicate Filter Type:
- ☐ NIOSH 7400 (QTY)
  - ☐ Fiberglass (QTY)
- TEM Air\* - Please Indicate Filter Type:
- ☒ AHERA # 25 (QTY)
  - ☐ NIOSH 7402 (QTY)
  - ☐ Other (specify) (QTY)
- PLM Bulk
- ☐ EPA 600 - Visual Estimate (QTY)
  - ☐ EPA Point Count (QTY)
  - ☐ NY State Friable 198.1 (QTY)
  - ☐ Grav. Reduction ELAP 198.6 (QTY)
  - ☐ Other (specify) (QTY)

## MISC

- ☐ Vermiculite
- ☐ Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)

\*It is recommended that blank samples be submitted with all air and surface samples

## TEM Bulk

- ☐ ELAP 198.4/Chatfield (QTY)
- ☐ NY State PLM/TEM (QTY)
- ☐ Residual Ash (QTY)

## TEM Dust\*

- ☐ Qual. (pres/abs) Vacuum/Dust (QTY)
- ☐ Quan. (s/area) Vacuum D5755-95 (QTY)
- ☐ Quan. (s/area) Dust D6480-99 (QTY)

## TEM Water

- ☐ Qual. (pres/abs) (QTY)
- ☐ ELAP 198.2/EPA 100.2 (QTY)
- ☐ EPA 100.1 (QTY)

☒ All samples received in good condition unless otherwise noted.  
 (TEM Water samples °C)

## Metals Analysis

- ☐ Pb Paint Chip (QTY)
- ☐ \*Pb Dust Wipe (wipe type) (QTY)
- ☐ \*Pb Air (QTY)
- ☐ Pb Soil/Solid (QTY)
- ☐ Pb TCLP (QTY)
- ☐ Drinking Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
- ☐ Waste Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY)
- ☐ Pb Furnace (Media) (QTY)

## Fungal Analysis

- Collection Apparatus for Spore Traps/Air Samples: \_\_\_\_\_  
 Collection Media \_\_\_\_\_
- ☐ \*Spore-Trap (QTY)
  - ☐ \*Surface Swab (QTY)
  - ☐ \*Surface Tape (QTY)
  - ☐ Other (Specify) (QTY)
  - ☐ Surface Vacuum Dust (QTY)
  - ☐ Culturable ID Genus (Media) (QTY)
  - ☐ Culturable ID Species (Media) (QTY)

CLIENT ID #	SAMPLE INFORMATION SAMPLE LOCATION/ID	DATE/ TIME	VOL (L)/ Wipe Area	ANALYSIS										CLIENT CONTACT				
				TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	(LABORATORY STAFF ONLY)		
																Date/Time:	Contact:	By:
	See Attached Field Data Sheets															Date/Time:	Contact:	By:
																Date/Time:	Contact:	By:
																Date/Time:	Contact:	By:

LABORATORY  
 STAFF ONLY:  
 (CUSTODY)

- Date/Time RCVD: AUG 22 2017 @ 10:15 Via: UPS By (Print): Tjha Sign: [Signature]
- Date/Time Analyzed: / / @ By (Print): Sign:
- Results Reported To: Via: Date: / / Time: Initials:
- Comments:



# Air Sampling Field Data Sheet

Date Collected: 8-8-17  
 Contact Person: M. PIPKERTON  
 Job Number: 983500S913

Job Name: RMF FOM CHET HOLIFIELD  
 Job Location: 24000 AVILA ROAD  
 Address: LACUNA PIGEON, CA

Page: 1 of 3  
 Company: Federal Occupational Health  
 Phone Number: 310-854-6300  
 Collected By: M. PIPKERTON

Sample Number	Sample Description Location	Start Time	Stop Time	Total Minutes	Start Flow Rate (L/m)	Stop Flow Rate (L/m)	Flow Average (L/m)	Total Air Volume (Liters)
080817-4-60-MP	4-60	7:57	10:04	127	10.05	9.923	9.987	1,268
080817-6-66-MP	6-66	8:02	10:06	124	10.06	9.966	10.013	1,242
080817-3-46-MP	3-46	8:08	10:14	126	10.07	9.991	10.031	1,264
080817-3-50-MP	3-50	8:14	10:20	126	10.09	9.782	9.936	1,252
080817-2-34-MP	2-34	11:08	13:08	120	10.06	10.42	10.24	1,229
080817-2-35-MP	2-35	11:17	13:17	120	10.12	10.75	10.435	1,252
080817-2-36-MP	2-36	11:23	13:23	120	10.05	10.32	10.185	1,222
080817-2-37-MP	2-37	11:28	13:28	120	10.07	10.21	10.14	1,217
080817-2-38-MP	2-38	11:33	13:33	120	10.10	10.25	10.175	1,221
080817-2-39-MP	2-39	11:42	13:42	120	10.07	10.07	10.07	1,208
080817-BL1-MP	BLANK1							

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961 / (301) 459-2640 Fax, [www.amalab.com](http://www.amalab.com), [info@amalab.com](mailto:info@amalab.com)



# Air Sampling Field Data Sheet

Date Collected: 8/8/17 + 8/9/17  
 Contact Person: M. PICKERTON  
 Job Number: 9835005913

Job Name: FOH CHET HOLIFIELD  
 Job Location: 24000 ADICA ROAD  
 Address: CAGOPA NIGUEL, CA

Page: 2 of 3  
 Company: Federal Occupational Health  
 Phone Number: 310-654-6300  
 Collected By: M. PICKERTON

Sample Number	Sample Description Location	Start Time	Stop Time	Total Minutes	Start Flow Rate (L/m)	Stop Flow Rate (L/m)	Flow Average (L/m)	Total Air Volume (Liters)
080817-BL2-MP	BLANK 2							
080917-3-S8-MP	3-S8	10:39	12:35	116	10.08	10.81	10.445	1,211
080917-3-S4-MP	3-S4	10:49	12:49 <del>12:44</del>	120 <del>114</del>	10.08	10.63	10.355	1,243
080917-3-S3-MP	3-S3	10:56	12:50 <del>12:44</del>	120 <del>114</del>	10.06	10.41	10.235	1,228
080917-3-49-MP	3-49	10:56	12:56 <del>12:48</del>	120 <del>112</del>	10.18	10.47	10.325	1,239
080917-3-48-MP	3-48	11:02	13:02 <del>12:51</del>	120 <del>119</del>	10.18	10.14	10.16	1,219
080917-3-47-MP	3-47	11:06	13:04 <del>12:56</del>	118	10.14	10.45	10.295	1,215
080917-1-11-MP	1-11	13:06	13:03	117	10.15	10.40	10.275	1,202
080917-4-63-MP	4-63	13:13	15:09	116	10.18	10.56	10.37	1,203
080917-1-12-MP	1-12	13:26	15:18	118	10.13	10.36	10.245	1,209
080917-7-69-MP	7-69	13:27	15:28	121 <del>118</del>	10.14	10.30	10.22	1,234.62

Please Return Samples To:

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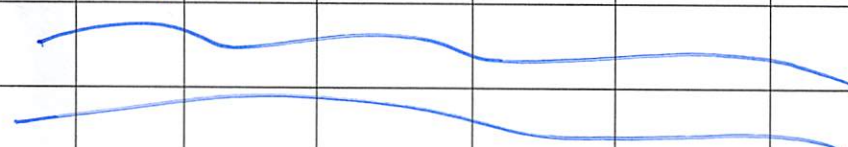
# Air Sampling Field Data Sheet

Page: 3 of 3

Date Collected: 8/8/12 + 8/9/12  
 Contact Person: M. PIPKEETON  
 Job Number: 9835005913

Job Name: FOH CHET HOLIFIELD  
 Job Location: 24000 AVILA ROAD  
 Address: LAGUNA HILLS, CA

Company: Federal Occupational Health  
 Phone Number: 310-854-6300  
 Collected By: M. PIPKEETON

Sample Number	Sample Description Location	Start Time	Stop Time	Total Minutes	Start Flow Rate (L/m)	Stop Flow Rate (L/m)	Flow Average (L/m)	Total Air Volume (Liters)
080917-7-68-MP	7-68	13:31	15:29	118	10.11	10.27	10.19	1,202
080917-BL1-MP	BLACK 1							
080917-BL2-MP	BLACK 2							

Please Return Samples To:

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# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 601762  
**Client:** FOH Boston Area Office/George Bearer  
**Address:** JFK Building - Room E-110  
Government Center  
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**Attention:** Michael Pinkerton

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92677  
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**P.O. Number:** Not Provided

**Date Submitted:** 08/22/2017  
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**Report Date:** 08/29/2017  
**Date Sampled:** 08/08/2017 - 08/09/2017  
**Person Submitting:** Michael Pinkerton

Lab Code 101143-0

**NY ELAP**

Lab ID 10920

## Summary of Transmission Electron Microscopy

**Filter Type:** MCE

**Pore Size:** 0.45 um

**Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm <sup>2</sup> )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm <sup>2</sup>	s/cc		
601762-1	080817-1-21-MR	1365.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
601762-2	080817-1-22-MR	1404.0	0.0665	0.0041	0		0	<15	<0.0041	N/P	
601762-3	080817-1-17-MR	1363.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
601762-4	080817-1-18-MR	1372.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
601762-5	080817-1-20-MR	1337.0	0.0665	0.0043	0		0	<15	<0.0043	N/P	
601762-6	080817-1-10-MR	1299.0	0.0665	0.0045	0		0	<15	<0.0045	N/P	
601762-7	080817-2-32-MR	1533.0	0.0665	0.0038	0		0	<15	<0.0038	N/P	
601762-8	080817-2-33-MR	1542.0	0.0665	0.0038	0		0	<15	<0.0038	N/P	
601762-9	080817-2-40-MR	1511.0	0.0665	0.0038	0		0	<15	<0.0038	N/P	
601762-10	080817-2-41-MR	1546.0	0.0665	0.0037	0		0	<15	<0.0037	N/P	
601762-11	080817-2-42-MR	1557.0	0.0665	0.0037	0		0	<15	<0.0037	N/P	
601762-12	080817-2-43-MR	1444.0	0.0665	0.004	0		0	<15	<0.004	N/P	
601762-13	080917-2-44-MR	1371.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
601762-14	080917-2-27-MR	1377.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
601762-15	080917-2-28-MR	1300.0	0.0665	0.0045	0		0	<15	<0.0045	N/P	
601762-16	080917-2-29-MR	1289.0	0.0665	0.0045	0		0	<15	<0.0045	N/P	
601762-17	080917-2-30-MR	1308.0	0.0665	0.0044	0		0	<15	<0.0044	N/P	
601762-18	080917-2-31-MR	1253.0	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601762-19	080917-1-13-MR	1416.0	0.0665	0.0041	0		0	<15	<0.0041	N/P	
601762-20	080917-1-14-MR	1415.0	0.0665	0.0041	0		0	<15	<0.0041	N/P	
601762-21	080917-1-9-MR	1408.0	0.0665	0.0041	0		0	<15	<0.0041	N/P	



## CERTIFICATE OF ANALYSIS

**Chain of Custody:** 601762  
**Client:** FOH Boston Area Office/George Bearer  
**Address:** JFK Building - Room E-110  
Government Center  
Boston, MA 02203  
**Attention:** Michael Pinkerton

**Job Name:** FOH CHET Holifield  
**Job Location:** 24000 Avila Road, Laguna Niguel, CA  
92677  
**Job Number:** 9835005913  
**P.O. Number:** Not Provided

**Date Submitted:** 08/22/2017  
**Date Analyzed:** 08/29/2017  
**Report Date:** 08/29/2017  
**Date Sampled:** 08/08/2017 - 08/09/2017  
**Person Submitting:** Michael Pinkerton

### Summary of Transmission Electron Microscopy

**Filter Type:** MCE

**Pore Size:** 0.45 um

**Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm	s/cc		
601762-22	080917-5-65-MR	1369.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	
601762-23	080917-4-62-MR	1410.0	0.0665	0.0041	0		0	<15	<0.0041	N/P	
601762-24	080917-4-61-MR	1383.0	0.0665	0.0042	0		0	<15	<0.0042	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

**Analyst(s):** Izabelle Mendez, Michael Greenberg

**Technical Director** Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.





Focused on Results www.amalab.com  
 AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)  
 4475 Forbes Blvd. • Lanham, MD 20706  
 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

# CHAIN OF CUSTODY

(Please Refer To This  
 Number For Inquires)

6001762

## Mailing/Billing Information:

- Client Name: FOH Boston Area Office
- Address 1: JFK Building - Room E-110
- Address 2: Government Center
- Address 3: Boston, MA 02203
- Phone #: 240-429-7808 Fax #: \_\_\_\_\_

## Submittal Information:

- Job Name: FOH CHET HOLIFIELD
- Job Location: 24000 AVILA ROAD, LAGUNA HIGUEL, CA 92653
- Job #: 9835005913 P.O. #: \_\_\_\_\_
- Contact Person: M. PICKERTON @ phone # 310-854-6300
- Submitted by: M. PICKERTON Signature: [Signature]

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

AFTER HOURS (must be pre-scheduled)		NORMAL BUSINESS HOURS		REPORT TO: <u>MICHAEL - PICKERTON</u>
<input type="checkbox"/> Immediate Date Due: _____	<input type="checkbox"/> Immediate	<input type="checkbox"/> 3 Day	<input type="checkbox"/> Results Required By Noon	<input type="checkbox"/> Include COC/Field Data Sheets with Report
<input type="checkbox"/> 24 Hours Time Due: _____	<input type="checkbox"/> Next Day	<input type="checkbox"/> 5 Day + <u>829117</u>		<input type="checkbox"/> Email: <u>YOUR EMAIL</u> @ efiglobal.com
Comments: _____	<input type="checkbox"/> 2 Day	Date Due: _____		<input type="checkbox"/> Fax: also email LYNDIA_MCDERMOTT@EFIGLOBAL.COM
				<input type="checkbox"/> Verbal: _____

## Asbestos Analysis

\*PCM Air - Please Indicate Filter Type:

- ☐ NIOSH 7400 (QTY) \_\_\_\_\_  
☐ Fiberglass (QTY) \_\_\_\_\_

TEM Air\* - Please Indicate Filter Type:

- ☒ AHERA # of samples 28 (QTY) \_\_\_\_\_  
☐ NIOSH 7402 (QTY) \_\_\_\_\_  
☐ Other (specify \_\_\_\_\_) (QTY) \_\_\_\_\_

## PLM Bulk

- ☐ EPA 600 - Visual Estimate (QTY) \_\_\_\_\_  
☐ EPA Point Count (QTY) \_\_\_\_\_  
☐ NY State Friable 198.1 (QTY) \_\_\_\_\_  
☐ Grav. Reduction ELAP 198.6 (QTY) \_\_\_\_\_  
☐ Other (specify \_\_\_\_\_) (QTY) \_\_\_\_\_

## MISC

- ☐ Vermiculite  
☐ Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)

\*It is recommended that blank samples be submitted with all air and surface samples

## TEM Bulk

- ☐ ELAP 198.4/Chatfield (QTY) \_\_\_\_\_  
☐ NY State PLM/TEM (QTY) \_\_\_\_\_  
☐ Residual Ash (QTY) \_\_\_\_\_

## TEM Dust\*

- ☐ Qual. (pres/abs) Vacuum/Dust (QTY) \_\_\_\_\_  
☐ Quan. (s/area) Vacuum D5755-95 (QTY) \_\_\_\_\_  
☐ Quan. (s/area) Dust D6480-99 (QTY) \_\_\_\_\_

## TEM Water

- ☐ Qual. (pres/abs) (QTY) \_\_\_\_\_  
☐ ELAP 198.2/EPA 100.2 (QTY) \_\_\_\_\_  
☐ EPA 100.1 (QTY) \_\_\_\_\_

☒ All samples received in good condition unless otherwise noted.  
 (TEM Water samples \_\_\_\_\_ °C)

## Metals Analysis

- ☐ Pb Paint Chip (QTY) \_\_\_\_\_  
☐ \*Pb Dust Wipe (wipe type \_\_\_\_\_) (QTY) \_\_\_\_\_  
☐ \*Pb Air (QTY) \_\_\_\_\_  
☐ Pb Soil/Solid (QTY) \_\_\_\_\_  
☐ Pb TCLP (QTY) \_\_\_\_\_  
☐ Drinking Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY) \_\_\_\_\_  
☐ Waste Water ☐ Pb (QTY) ☐ Cu (QTY) ☐ As (QTY) \_\_\_\_\_  
☐ Pb Furnace (Media \_\_\_\_\_) (QTY) \_\_\_\_\_

## Fungal Analysis

- Collection Apparatus for Spore Traps/Air Samples: \_\_\_\_\_  
 Collection Media \_\_\_\_\_  
☐ \*Spore-Trap (QTY) \_\_\_\_\_ ☐ Surface Vacuum Dust (QTY) \_\_\_\_\_  
☐ \*Surface Swab (QTY) \_\_\_\_\_ ☐ Culturable ID Genus (Media \_\_\_\_\_) (QTY) \_\_\_\_\_  
☐ \*Surface Tape (QTY) \_\_\_\_\_ ☐ Culturable ID Species (Media \_\_\_\_\_) (QTY) \_\_\_\_\_  
☐ Other (Specify \_\_\_\_\_) (QTY) \_\_\_\_\_

\*It is recommended that blank samples be submitted with all air and surface samples

CLIENT ID #	SAMPLE INFORMATION		DATE/ TIME	VOL (L)/ Wipe Area	ANALYSIS					MATRIX					CLIENT CONTACT				
	SAMPLE LOCATION/ID				TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	(LABORATORY STAFF ONLY)		
																	Date/Time:	Contact:	By:
	See Attached Field Data Sheets																		
																	Date/Time:	Contact:	By:
																	Date/Time:	Contact:	By:

LABORATORY  
 STAFF ONLY:  
 (CUSTODY)

- Date/Time RCVD: AUG 22 2017 @ 1015 Via: UPS By (Print): Tyler Sign: [Signature]
- Date/Time Analyzed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ @ \_\_\_\_\_ By (Print): \_\_\_\_\_ Sign: \_\_\_\_\_
- Results Reported To: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_ Initials: \_\_\_\_\_
- Comments: \_\_\_\_\_



# Air Sampling Field Data Sheet

Date Collected: 8/8/17  
 Contact Person: M. PICKERTON  
 Job Number: 983500593

Job Name: FOH Chef Holifield  
 Job Location: 2400 Avila Road  
 Address: Laguna Niguel, CA 92677

Page: 1 of 3  
 Company: Federal Occupational Health  
 Phone Number: 310-854-6300  
 Collected By: Matthew Rodriguez

Sample Number	Sample Description Location	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)
080817-1-21 MR	CSC Warehouse	7:55	10:14	139	10.10	9.55	9.83	1,365
080817-1-22 MR	CSC Warehouse	7:58	10:17	139	10.20	10.01	10.11	1,404
080817-1-17 MR	CSC 1610	8:05	10:22	137	10.01	9.9	9.96	1,363
080817-1-18 MR	CSC 1610	8:09	10:25	136	10.17	10.01	10.09	1,372
080817-1-20 MR	CSC 1610	8:16	10:28	132	10.26	10.01	10.14	1,337
080817-1-10 MR	CSC 1700	8:26	10:36	130	10.02	9.97	10.00	1,299
080817-2-32 MR	CSC 2500	10:45	1:15	150	10.21	10.23	10.22	1,533
080817-2-33 MR	CSC 2500	10:46	1:17	151	10.43	10.00	10.22	1,542
080817-2-40 MR	CSC 2300	10:55	1:23	148	10.25	10.17	10.21	1,511
080817-2-41 MR	Gym	11:00	1:31	151	10.36	10.12	10.25	1,546
080817-2-42 MR	CSC 2107	11:01	1:27	136	10.00	9.97	9.99	1,557

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961 / (301) 459-2640 Fax, [www.amalab.com](http://www.amalab.com), [info@amalab.com](mailto:info@amalab.com)

# Air Sampling Field Data Sheet

Page: 2 of 3

Date Collected: 8/8/12 - 8/9/12  
 Contact Person: M. PIERCE  
 Job Number: 9635005913

Job Name: FOR GET HOUSTON  
 Job Location: 2400 ADILA ROAD  
 Address: LACUNA PLAZA, CA 92677

Company: Federal Occupational Health  
 Phone Number: 310-654-6300  
 Collected By: M. RODRIGUEZ

Sample Number	Sample Description Location	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)
080817-2-43 ML	CSC 2107	11:12	1:34	142	16.22	10.12	10.17	1,444
080917-2-44 ML	CSC 2107	7:47	10:04	137	10.11	9.91	10.01	1,321
080917-2-27 ML	CSC Wedge Conf. Room	7:52	10:08	136	10.23	10.05	10.13	1,327
080917-2-28 ML	CSC OTT	8:00	10:12	132	10.01	9.77	9.86	1,300
080917-2-29 ML	CSC 2200	8:12	10:14	127	10.02	10.28	10.15	1,289
080917-2-30 ML	CSC 2200	8:07	10:16	129	10.13	9.93	10.15	1,308
080917-2-31-ML	CSC 2200	8:17	10:22	125	10.12	9.94	10.03	1,253
080917-1-13-ML	CBP A 1640A	10:43	1:03	140	10.11	10.13	10.12	1,416
080917-1-14-ML	CBP 1640B	10:46	1:06	140	10.28	9.94	10.11	1,415
080917-1-14-ML	CBP 1640D	10:54	1:13	139	10.20	10.07	10.14	1,408
080917-5-65-ML	CBP 5020	11:00	1:19	145 134 139	9.98	9.73	9.86	1,369

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961 / (301) 459-2640 Fax, [www.amalab.com](http://www.amalab.com), [info@amalab.com](mailto:info@amalab.com)



Page: 3 of 3

Company: Federal Occupational Health  
Phone Number: 310-654-6300  
Collected By: M. Pomeroy

[illegible]



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 601764  
**Client:** FOH Boston Area Office/George Bearer  
**Address:** JFK Building - Room E-110  
Government Center  
Boston, MA 02203  
**Attention:** Michael Pinkerton

**Job Name:** Chet Holifield  
**Job Location:** 24000 Avilia Road  
**Job Number:** 9835005913  
**P.O. Number:** Not Provided

**Date Submitted:** 08/22/2017  
**Date Analyzed:** 08/29/2017  
**Report Date:** 08/29/2017  
**Date Sampled:** 08/08/2017 - 08/09/2017  
**Person Submitting:** Michael Pinkerton

Lab Code 101143-0  
**NY ELAP**  
Lab ID 10920

## Summary of Transmission Electron Microscopy

**Filter Type:** MCE

**Pore Size:** 0.45 um

**Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm <sup>2</sup> )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm <sup>2</sup>	s/cc		
601764-1	080817-1-15-JW	1339.2	0.0	--	--		--	--	--	N/P	VOID: Overloaded with particulate.
601764-2	080817-1-16-JW	1305.48	0.0665	0.0044	0		0	<15	<0.0044	N/P	
601764-3	080817-1-24-JW	1327.34	0.0665	0.0044	0		0	<15	<0.0044	N/P	
601764-4	080817-1-23-JW	1274.88	0.0665	0.0045	0		0	<15	<0.0045	N/P	
601764-5	080817-1-2-JW	1283.55	0.0665	0.0045	0		0	<15	<0.0045	N/P	
601764-6	080817-1-3-JW	1245.0	0.0665	0.0047	0		0	<15	<0.0046	N/P	
601764-7	080817-1-5-JW	1242.5	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601764-8	080817-1-6-JW	1225.08	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601764-9	080817-1-7-JW	1233.8	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601764-10	080817-1-8-JW	1215.12	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601764-11	080817-1-4-JW	1207.58	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601764-12	080817-3-51-JW	1203.95	0.0665	0.0048	0		0	<15	<0.0048	N/P	
601764-13	080917-3-56-JW	1333.3	0.0665	0.0043	0		0	<15	<0.0043	N/P	
601764-14	080917-3-52-JW	1314.72	0.0665	0.0044	0		0	<15	<0.0044	N/P	
601764-15	080917-3-55-JW	1272.32	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601764-16	080917-3-57-JW	1268.73	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601764-17	080917-3-59-JW	1245.0	0.0665	0.0047	0		0	<15	<0.0046	N/P	
601764-18	080917-3-45-JW	1238.76	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601764-19	080917-6-67-JW	1398.6	0.0665	0.0041	0		0	<15	<0.0041	N/P	
601764-20	080917-5-64-JW	1388.61	0.0665	0.0042	0		0	<15	<0.0042	N/P	



# CERTIFICATE OF ANALYSIS

**Chain of Custody:** 601764  
**Client:** FOH Boston Area Office/George Bearer  
**Address:** JFK Building - Room E-110  
Government Center  
Boston, MA 02203  
**Attention:** Michael Pinkerton

**Job Name:** Chet Holifield  
**Job Location:** 24000 Avilia Road  
**Job Number:** 9835005913  
**P.O. Number:** Not Provided

**Date Submitted:** 08/22/2017  
**Date Analyzed:** 08/29/2017  
**Report Date:** 08/29/2017  
**Date Sampled:** 08/08/2017 - 08/09/2017  
**Person Submitting:** Michael Pinkerton

## Summary of Transmission Electron Microscopy

**Filter Type:** MCE

**Pore Size:** 0.45 um

**Filter Size:** 25 mm (385 mm<sup>2</sup>)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm )	Analytical Sensitivity s/cc	Asbestos		# Non Asbestos Structures	Concentration		Sample Type	Comments
					Amount/Type	<5µm >=5µm		s/mm	s/cc		
601764-21	080917-1-19-JW	1348.65	0.0665	0.0043	0		0	<15	<0.0043	N/P	
601764-22	080917-1-25-JW	1266.25	0.0665	0.0046	0		0	<15	<0.0046	N/P	
601764-23	080917-1-26-JW	1223.85	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601764-24	080917-1-1-JW	1222.44	0.0665	0.0047	0		0	<15	<0.0047	N/P	
601764-27	080817-BL1-JW	--	0.0	--	--		--	--	--	BLK	Not Analyzed
601764-28	080817-BL2-JW	--	0.0	--	--		--	--	--	BLK	Not Analyzed
601764-29	080917-BL1-JW	--	0.0	--	--		--	--	--	BLK	Not Analyzed
601764-30	080917-BL2-JW	--	0.0	--	--		--	--	--	BLK	Not Analyzed

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

**Analyst(s):** Michael Creaghan

**Technical Director** Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP, NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



## CHAIN OF CUSTODY


(Please Refer To This  
Number For Inquires)

6001 764

**Mailing/Billing Information:**

1. Client Name: FOH Boston Area Office  
2. Address 1: JFK Building - Room E-110  
3. Address 2: Government Center  
4. Address 3: Boston, MA 02203  
5. Phone #: 240-429-7808 Fax #:

### Submittal Information:

1. Job Name: Chet Holifield  
2. Job Location: 24000 Avila Road  
3. Job #: 9835003913 P.O. #:  
4. Contact Person: Michael Pinkerton @ phone # 310-382-4482  
5. Submitted by: Michael Pinkerton Signature: 

Reporting Info (Results provided as soon as technically feasible). If no TAT/Reporting Info is provided, AMA will assign defaults of 5-Day and email/fax to contacts on file.

<b>AFTER HOURS (must be pre-scheduled)</b> <input type="checkbox"/> Immediate    Date Due: _____ <input type="checkbox"/> 24 Hours    Time Due: _____ Comments: _____		<b>NORMAL BUSINESS HOURS</b> <input type="checkbox"/> Immediate <input type="checkbox"/> 3 Day <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day + <u>8129117</u> <input type="checkbox"/> 2 Day    Date Due: _____ <input type="checkbox"/> Results Required By Noon		<b>REPORT TO:</b> <u>MICHAEL PIPER</u> <input checked="" type="checkbox"/> Include COC/Field Data Sheets with Report <input checked="" type="checkbox"/> Email: <u>YOUR EMAIL</u> @efiglobal.com <input type="checkbox"/> Fax: also email LYNDA_MCDERMOTT@EFIGLOBAL.COM <input type="checkbox"/> Verbals: _____	
--	--	---	--	---	--

## Asbestos Analysis

\*PCM Air – Please Indicate Filter Type:  
☐ NIOSH 7400 \_\_\_\_\_ (QTY)  
☐ Fiberglass \_\_\_\_\_ (QTY)

TEM Air\* – Please Indicate Filter Type:  
☒ AHERA # of samples 28 (QTY)  
☐ NIOSH 7402 \_\_\_\_\_ (QTY)  
☐ Other (specify \_\_\_\_\_) \_\_\_\_\_ (QTY)

PLM Bulk  
☐ EPA 600 – Visual Estimate \_\_\_\_\_ (QTY)  
☐ EPA Point Count \_\_\_\_\_ (QTY)  
☐ NY State Friable 198.1 \_\_\_\_\_ (QTY)  
☐ Grav. Reduction ELAP 198.6 \_\_\_\_\_ (QTY)  
☐ Other (specify \_\_\_\_\_) \_\_\_\_\_ (QTY)

## MISC

☐ Vermiculite  
☐ Asbestos Soil PLM\_\_ (Qual) PLM\_\_ (Quan) PLM/TEM\_\_ (Qual) PLM/TEM\_\_ (Quan)

\*It is recommended that blank samples be submitted with all air and surface samples

## TEM Bulk

☐ ELAP 198.4/Chatfield\_\_\_\_\_ (QTY)  
☐ NY State PLM/TEM\_\_\_\_\_ (QTY)  
☐ Residual Ash\_\_\_\_\_ (QTY)

## TEM Dust\*

☐ Qual. (pres/abs) Vacuum/Dust \_\_\_\_\_ (QTY)  
☐ Quan. (s/area) Vacuum D5755-95 \_\_\_\_\_ (QTY)  
☐ Quan. (s/area) Dust D6480-99 \_\_\_\_\_ (QTY)

## TEM Water

☐ Qual. (pres/abs)\_\_\_\_\_ (QTY)  
☐ ELAP 198.2/EPA 100.2\_\_\_\_\_ (QTY)  
☐ EPA 100.1\_\_\_\_\_ (QTY)

☒ All samples received in good condition unless otherwise noted.  
(TEM Water samples \_\_\_\_\_ °C)

## Metals Analysis

☐ Pb Paint Chip \_\_\_\_\_ (QTY)  
☐ \*Pb Dust Wipe (wipe type \_\_\_\_\_ ) \_\_\_\_\_ (QTY)  
☐ \*Pb Air \_\_\_\_\_ (QTY)  
☐ Pb Soil/Solid \_\_\_\_\_ (QTY)  
☐ Pb TCLP \_\_\_\_\_ (QTY)  
☐ Drinking Water ☐ Pb \_\_\_\_\_ (QTY) ☐ Cu \_\_\_\_\_ (QTY) ☐ As \_\_\_\_\_ (QTY)  
☐ Waste Water ☐ Pb \_\_\_\_\_ (QTY) ☐ Cu \_\_\_\_\_ (QTY) ☐ As \_\_\_\_\_ (QTY)  
☐ Pb Furnace (Media \_\_\_\_\_ ) \_\_\_\_\_ (QTY)

### Fungal Analysis

Collection Apparatus for Spore Traps/Air Samples: \_\_\_\_\_  
Collection Media \_\_\_\_\_

<input type="checkbox"/> *Spore-Trap _____ (QTY)	<input type="checkbox"/> Surface Vacuum Dust _____ (QTY)
<input type="checkbox"/> *Surface Swab _____ (QTY)	<input type="checkbox"/> Culturable ID Genus (Media _____) _____ (QTY)
<input type="checkbox"/> *Surface Tape _____ (QTY)	<input type="checkbox"/> Culturable ID Species (Media _____) _____ (QTY)
<input type="checkbox"/> Other (Specify _____) _____ (QTY)	

[illegible]

**LABORATORY  
STAFF ONLY:  
(CUSTODY)**

1. Date/Time RCVD: AUG 22 2017 / 1015 @ UPS Via: \_\_\_\_\_ By (Print): Tyler Sign: \_\_\_\_\_  
2. Date/Time Analyzed: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ @ \_\_\_\_\_ By (Print): \_\_\_\_\_ Sign: \_\_\_\_\_  
3. Results Reported To: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ Time: \_\_\_\_\_ Initials: \_\_\_\_\_  
4. Comments: \_\_\_\_\_



# Air Sampling Field Data Sheet

Page: 1 of 3

Date Collected: 8/8/17  
Contact Person: JOSHUA WHITE  
Job Number: 983500 S913

Job Name: CHET HOUFIELD  
Job Location: 24000 AVILA RD.  
Address: 24000 Avila Rd.  
Laguna Niguel

Company: Federal Occupational Health  
Phone Number: 310-854-6300  
Collected By: JOSHUA WHITE

Sample Number	Sample Description Location	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)
080817-1-15-JW	1630	755	1010	135	9.92	9.92	9.92	1,339.2
080817-1-16-JW	1630 Printer Area	800	1012	132	9.89	9.89	9.89	1,305.48
080817-1-24-JW	Corridor 1F9	811	1024	133	9.98	9.98	9.98	1,327.34
080817-1-23-JW	I.C.E. Cubical 020	818	1026	128	9.96	9.96	9.96	1,274.88
080817-1-2-JW	I.C.E. War Room	823	1032	129	9.95	9.95	9.95	1,283.55
080817-1-3-JW	I.C.E. Mat Room	830	1035	125	9.96	9.96	9.96	1,245
080817-1-5-JW	1210	1040	1245	125	9.94	9.94	9.94	1,242.5
080817-1-6-JW	1000	1047	1250	123	9.96	9.96	9.96	1,225.08
080817-1-7-JW	1580 - 1331b	1052	1256	124	9.95	9.95	9.95	1,233.8
080817-1-8-JW	1580 - 13051	1057	1259	122	9.96	9.96	9.96	1,215.12
080817-1-4-JW	1580 Corridor	1101	102	121	9.98	9.98	9.98	1,207.58

Please Return Samples To:

AMA Analytical Services, Inc., 4475 Forbes Blvd., Lanham, MD 20706, (800) 346-0961 / (301) 459-2640 Fax, [www.amalab.com](http://www.amalab.com), [info@amalab.com](mailto:info@amalab.com)

# Air Sampling Field Data Sheet

Page: 2 of 3

Date Collected: 8/8/17 + 8/9/17  
 Contact Person: M. PICKERTON  
 Job Number: 9835005913

Job Name: FOH CHET HOLIFIELD  
 Job Location: 24000 ADLW ROAD  
 Address: LAGUNA HILLS, CA

Company: Federal Occupational Health  
 Phone Number: 310-854-6300  
 Collected By: JOSHUA WHITE

Sample Number	Sample Description Location	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)
080817-3-51-JW	3355	1111	112	121	9.95	9.95	9.95	1,203.95
080917-3-56-JW	3318	751	1005	134	9.95	9.95	9.95	1,333.3
080917-3-52-JW	Staff Break Room	756	1008	132	9.96	9.96	9.96	1,314.72
080917-3-55-JW	Day Care	802	1010	128	9.94	9.94	9.94	1,272.32
080917-3-57-JW	3205	808	1015	127	9.99	9.99	9.99	1,268.73
080917-3-59-JW	3106	815	1020	125	9.96	9.96	9.96	1,245
080917-3-45-JW	3104	821	1025	124	9.99	9.99	9.99	1,238.76
080917-6-67-JW	6140 Conference Rm.	1030	1250	140	9.99	9.99	9.99	1,398.6
080917-5-64-JW	5160-60	1036	1255	139	9.99	9.99	9.99	1,388.41
080917-1-19-JW	1st floor Corridor	1045	100	135	9.96	9.99	9.99	1,348.65
080917-1-25-JW	1500	1058	103	125	10.13	10.13	10.13	1,266.25

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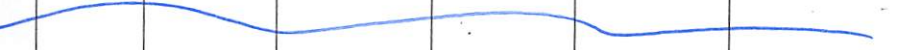

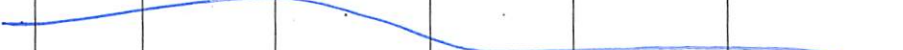
# Air Sampling Field Data Sheet

Page: 3 of 3

Date Collected: 8/8/17 + 8/9/17  
 Contact Person: M. PINKERTON  
 Job Number: 9835005913

Job Name: FOH CHET HOLIFIELD  
 Job Location: 24000 AVILA ROAD  
 Address: LAGUNA HIGUEL, CA

Company: Federal Occupational Health  
 Phone Number: 310-854-6300  
 Collected By: JOSHUA WHITE

Sample Number	Sample Description Location	Start	Stop	Total minutes	Start	Stop	Flow Avg.	Air Volume (Liters)
080917-1-26-JW	1500	1101	104	123	9.95	9.95	9.95	1,223.85
080917-1-1-JW	1400	1105	107	122	10.02	10.02	10.02	1,222.44
080817-BL1-SW	BLAPK1							
080817-BL2-SW	BLAPK2							
080917-BL1-JW	BLAPK1							
080917-BL2-JW	BLAPK2							

Please Return Samples To:

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